



**CITY OF LODI
COUNCIL COMMUNICATION**

TM

AGENDA TITLE: Adopt resolution authorizing the City Manager to allocate \$24,986 in Public Benefit Program funds to extend for one year the Lodi LivingWise Program; and authorizing the City Manager to execute a contract with Resource Action Programs to assist in coordinating this educational project (EUD)

MEETING DATE: September 7, 2005

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: Adopt a resolution authorizing the City Manager to allocate \$24,986.00 in Public Benefit Program funds to extend for one year the Lodi LivingWise Program; and authorizing the City Manager to execute a contract with Resource Action Programs to assist in coordinating this educational project.

BACKGROUND INFORMATION: Since 2003, the City of Lodi Electric Utility has maintained the Lodi LivingWise Program. To date, the program has impacted over 1000 Lodi students and their families, as well as dozens of Lodi educators. The Lodi LivingWise Program provides students and teachers at Lodi area schools (both public and private schools) with a useful tool that demonstrates energy and water conservation.

For the 2005-2006 school year, Electric Utility staff is once again proposing to provide 520 energy and water conservation kits to 6th grade students throughout Lodi. Each kit contains a compact fluorescent lamp, an Electro luminescent (energy efficient) Night Light, a low-flow showerhead, faucet aerators, a water leak test for toilets, Teflon tape, tape measure, air temperature monitor, an energy efficiency CD-ROM game, tips on energy/water conservation, and specific ways to weatherize/insulate the home. Once the kits are delivered to the classroom, and the teacher has received their training packet, students are then instructed on how/why to implement the contents of the kit at their home. There are pre-installation and post-installation course discussions that are provided to the instructors, so that the students are fully engaged in the project. Finally, once the students have the contents of their kits at home, an assessment is produced by Resource Action Programs staff to determine projected energy savings associated with the installation of the various energy/water conservation measures. To "kick-off" the project, an Electric Utility staff member visits each classroom to reinforce the significance of the project, and discuss the importance of energy/water conservation.

For Council members review, Electric Utility staff has included the 2004-2005 Lodi LivingWise Program summary report. The report includes an Executive Summary, Program Overview, Implementation methods, as well as Resource Savings Data (based upon required student participation and feedback). In addition, Electric Utility staff has included a sampling of program support letters from Lodi educators.

Also by way of this Council action, Electric Utility staff is recommending approval of a contract with Modesto-based Resource Action Programs. This is the only firm staff has identified which provides this unique, educational kit. For this reason, and the prior history and working relationship with Resource

APPROVED: _____

Blair King, City Manager

Adopt resolution authorizing the City Manager to allocate \$24,986 in Public Benefit Program funds to extend for one year the Lodi LivingWise Program; and authorizing the City Manager to execute a contract with Resource Action Programs to assist in coordinating this educational project (EUD)

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September 7, 2005

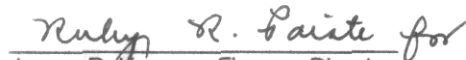
Action Programs, the City of Lodi Electric Utility respectfully requests that the Lodi City Council dispense with going out to bid pursuant to Lodi Municipal Code 3.20.070. The total contract amount (which includes classroom support, teacher training, the 500+ energy/water conservation kits, and program evaluation by school site) is \$24,986.00.

The most important goal of this program is to educate our young people about energy and water conservation, and the significance that their actions *today*, will have their future. In addition, this particular product compliments the energy education curriculum mandated by the State of California for all 4th through 6th grade students. Teacher feedback thus far indicates that our program is an excellent "fit" for portions of their math, science and/or energy education curriculum.

Electric Utility staff respectfully recommends approval of the Lodi LivingWise Program for the 2005-2006 school year, as a qualifying component of the City of Lodi Public Benefits Program, categorized as demand-side management or energy conservation/efficiency.

FISCAL IMPACT: The Lodi LivingWise Program is budgeted in the 2005-2006 fiscal year Public Benefits Program budget. As the program is designed to *reduce* energy/water consumption, there is no fiscal impact to the City of Lodi (this program actually decreases the amount of energy utilized in Lodi, which in turn reduces the amount of energy purchased by the utility in the course of a year).

FUNDING AVAILABLE: 164605 – Public Benefits Program (Category: Demand-side Management)


James R. Krueger, Finance Director


Mel Grandi
Electric Utility Director - Interim

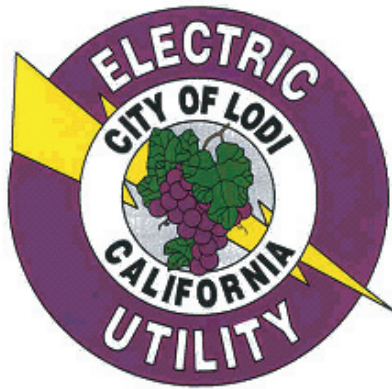
Prepared By: Rob Lechner, Manager, Customer Service and Programs

MG/RL/1st

c: City Attorney

City of Lodi Electric Utility LivingWise® Program

Sponsored by:



Program Summary Report 2004-2005

Submitted By:

Resource Action Programs®



July 2005

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Executive Summary

This report summarizes the results of the City of Lodi Electric Utility LivingWise® Resource Action Program implemented during the 2004-2005 school year. Five hundred sixteen sixth grade students and their households participated in the program.

The LivingWise® Resource Action Program combines a turnkey set of classroom activities with hands-on home projects to install efficiency devices and introduce resource conscious behavior to students and their families. The Program facilitates installation of resource efficient technologies in homes, builds knowledge of environmental issues and provides an effective community program for sponsors.

The LivingWise® Resource Action Program yields a variety of measurable water and energy savings results. An overview of the results from this program appears below, with greater detail in the attached report.

Knowledge Gained: Identical surveys (tests) were taken by students prior to the program, and again upon its completion to measure knowledge gained. Scores and subject knowledge improved from 74% to 80%.

Measures Installed: Students completed retrofit activities as part of the program, and reported the measures they installed in their own homes. Some highlights include:

- *81% reported they installed the CFL.*
- *88% reported they installed the LimeLite®.*



As part of the program, children take a pre-program and post-program test to measure knowledge gained.



Audit Information Obtained: Household audits (customer surveys) were performed by students and their families as part of the program activities. Important customer information was collected to better understand trends and usage. Some highlights include:

- *70% rated the LivingWise® program as good or great.*
- *78% reported they worked with their families on this project.*

Participant Satisfaction: Teachers reported the student participation and enthusiasm was excellent. 100% agreed that the materials were attractive and easy to use. Additionally, 100% of participating teachers indicated that they would like to participate in the program again, and that they would recommend it to their colleagues.

Resource Savings Results: As a part of the program and working with parents or guardians, students installed resource efficiency technologies in their homes while gathering information as provided above. They also measured the pre-existing equipment to calculate savings that they generated. Savings from these activities will continue for many years to come. The table below shows the projected savings from the program, based upon information gathered by the students.

Projected Resource Savings

26,873,764	gallons of water saved
1,381,602	kWh electricity saved
112,825	therms of gas saved
26,873,764	gallons wastewater saved



Program Overview

LivingWise® is a fully implemented program, designed to generate immediate and long-term savings. The program uses a school-based method that builds student knowledge, provides high efficiency devices to families, and serves as an effective community outreach program.

The program staff identifies and enrolls students and teachers within the designated service territory. Enrolled participants receive educational materials designed to build participant knowledge and demonstrate simple ways to save, by not only changing habits, but also changing devices. Materials meet state and national educational standards, which allow the program to easily fit into teachers' existing schedules and requirements.

As part of the program, children take home a Resource Action Kit™ that contains high efficiency devices. With the help of their parents, they install the devices in their home and complete a home audit report. The LivingWise® staff tabulates all responses, including home audits, teacher responses, student input, and generates a Program Summary Report.

As part of the program, children take home a Resource Action Kit™. With the help of their parents they install the devices in their home.



Program Materials



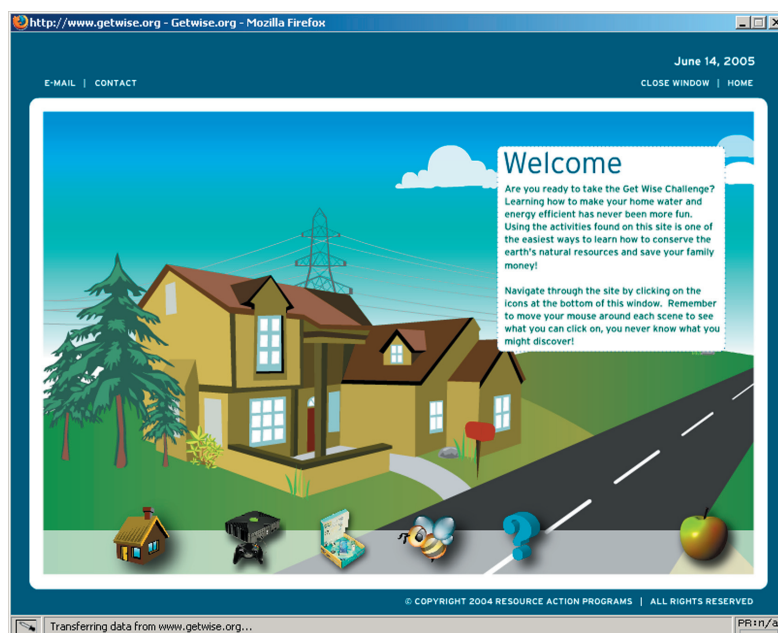
Each participant receives a Resource Action Kit containing efficiency technologies for their homes and materials to perform the hands-on activities. Program materials include:

Each teacher/classroom receives:

Program Introduction Video
Lesson Plans/Curriculum Correlation
Supplementary Activities
Spanish Language Support Materials
Implementation Checklist
Comprehensive Teacher Packet
24 Hour Web-based Support
Toll-Free Telephone Support
Classroom Posters

Each student/teacher receives:

Student Activity Booklet
Parent Introduction Letter
Resource Action Kit containing:
-Compact Fluorescent Light Bulb
-Electroluminescent Night Light
-FilterTone® Alarm
-Oxygenics® Showerhead
-Kitchen Aerator
-Flow Rate Test Bag
-Toilet Leak Detector Tablets
-Air Temperature Ruler
-Water Temp Check Card
-Resource Fact Wheel
-CD-ROM Game
Certificate of Achievement
Pre & Post Surveys
Home Audit Form
Parent Comment Card
Interactive Program Website
Toll-Free Telephone Support



The Interactive Program Website mirrors program content in a fun, exciting way that helps make learning easy and helps instill lasting resource efficient behaviors.



Program Implementation

The LivingWise® program offers a full range of implementation services as listed below.

1. Teacher / School Identification
2. Program introduction to teachers
3. Teachers enrolled in program
4. Program Kit / Material Delivery
5. Delivery confirmation
6. Implementation dates scheduled with teachers
7. Periodic contact to ensure implementation and teacher satisfaction
8. Results collection
9. Data analysis
10. Program Summary Report
11. Thank-you cards sent to participating teachers

Participating teachers may implement the program to coincide with their lesson plans. The table on the next page shows a comprehensive list of sixth grade classrooms that participated during the 2004-2005 school year.



School	Contact	Teachers	Students
St. Peter Lutheran	Mr. Randy Kuchenbecker	1	18
Lodi Seventh-Day	Ray Brown	1	25
Lawrence Elementary	Tim Shepherd	1	31
Nichols Elementary	Patricia Browning	1	31
Reese Elementary	Kristy Zane	1	31
Lakewood Elementary	Briggette Capps	1	31
Century Christian	Mr. Sean Watt	1	20
Vinewood Elementary	Kim Hutson	1	31
Lodi Seventh-Day	Betty Waddell	1	28
Vinewood Elementary	Melanie Bills	1	25
Reese Elementary	Mrs. Burke	1	30
Nichols Elementary	Mr. Cary Downey	1	33
St. Anne's Catholic	Lisa Norman	1	32
Lawrence Elementary	Mrs. Bartlam	1	31
Washington Elementary	Holly Finley	1	34
Washington Elementary	Julie Jensen	1	34
Washington Elementary	Cole Hudson	1	34

17 499

Total Participants 516 (17 Teachers + 499 Students)



Program Impact

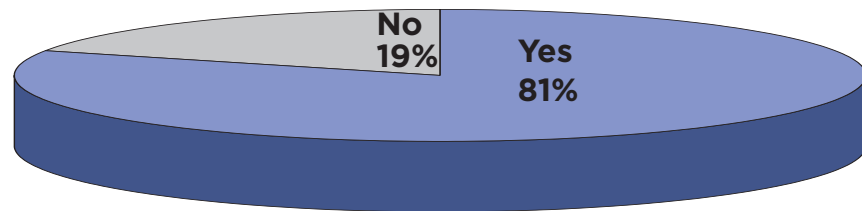
The City of Lodi Electric Utility LivingWise® Resource Action Program has had a significant impact within the community. As illustrated below, the Program successfully educated a portion of the community about water and energy efficiency while installing resource efficient technologies in homes and collecting data to better understand future trends and usage. The following results were compiled:

A. Household Report Card

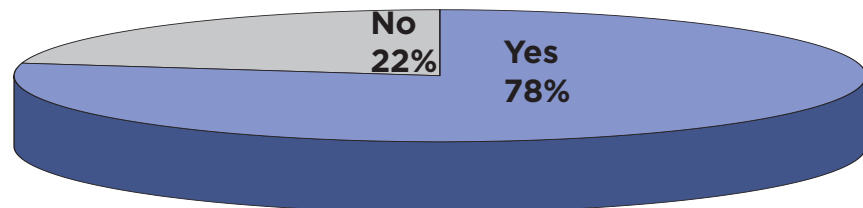
Upon completion of the program, participating families are asked to complete a Household Report Card to assess their resource use, verify product installation and measure participation rates. A few samples are below while a complete summary of all responses is included in the appendices.

Did you install the CFL?	Yes - 81%
Did you install the LimeLite®?	Yes - 88%
Did you work with your family on this program?	Yes - 78%
Did you install the sink aerator?	Yes - 47%

Did you install the CFL?



Did you work with your family on this program?

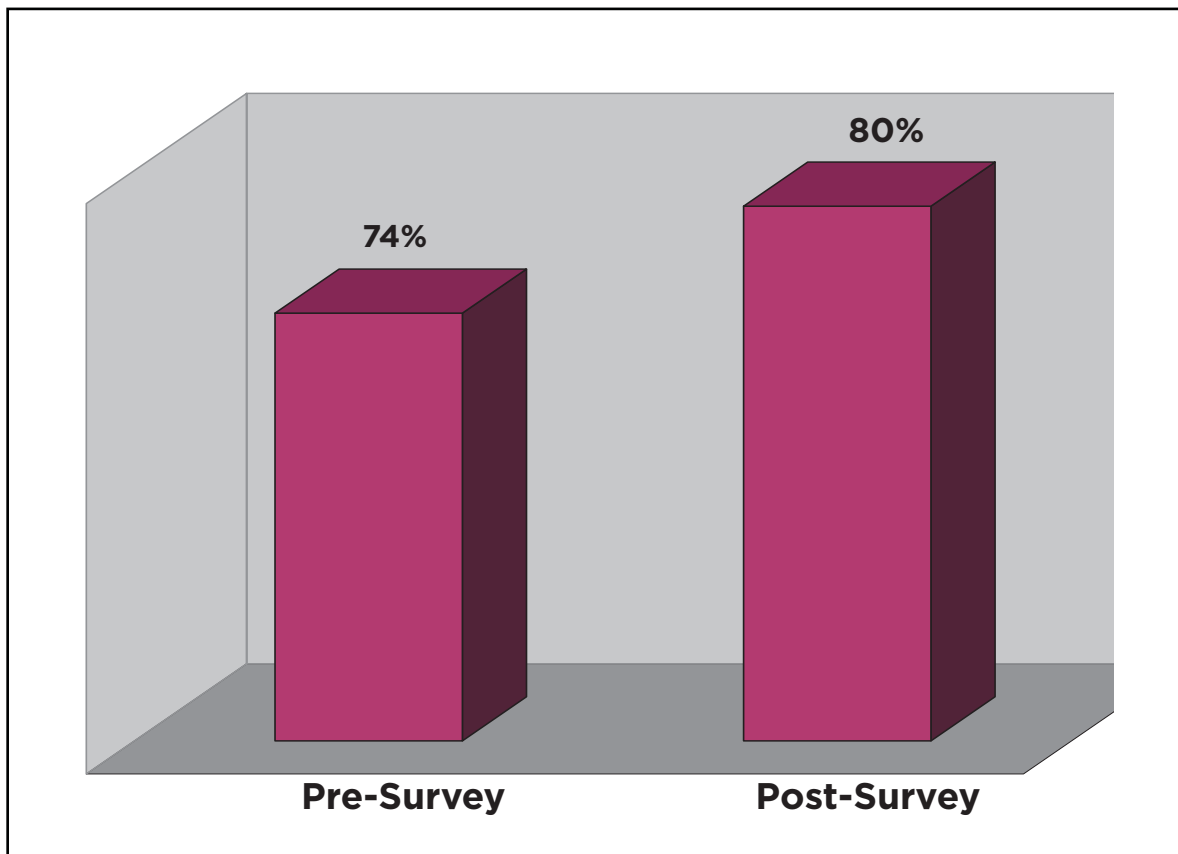




B. Pre/Post Survey

Students are asked to complete a 10 question survey before the Program was introduced and then again after it was completed to determine the learning impact and the knowledge gained through the Program. The average student answered 7.4 questions correctly prior to being involved in the Program and then improved to answer 8.0 questions correctly following participation.

Scores improved from 74% to 80%





C. Resource Savings Summary

Using the family habits collected from the customer survey information as the basis for this calculation, five hundred sixteen City of Lodi Electric Utility LivingWise® Resource Action Program households are expected to save the following resource totals. A list of assumptions and formulas used for these calculations can be found in the appendices.

Projected Resource Savings

Total Number of Participants:	516	
	<u>Annual</u>	<u>Lifetime</u>
Reduction from compact fluorescent lightbulb: Product Life: 10,000 hours	37,224	254,956 kWh
Reduction from LimeLite® nightlight: Product Life: 10 years	14,242	142,422 kWh
Reduction from air filter alarm: Product Life: 10 years	14,861	148,608 kWh
Reduction from showerhead retrofit: Product Life: 10 years	2,410,752 10,121 74,960	24,107,520 gallons 101,211 therms 749,602 kWh
Reduction from kitchen aerator retrofit: Product Life: 5 years	553,249 2,323 17,203	2,766,244 gallons 11,614 therms 86,014 kWh
TOTAL PROGRAM SAVINGS:	2,964,001 12,444 158,490	26,873,764 gallons 112,825 therms 1,381,602 kWh



D. Teacher Response

Programs improvements are based on the feedback from teachers. Each response is reviewed for pertinent information to both the program the program sponsor. The following is a sample of feedback collected from teacher evaluation forms.

Teacher Feedback:

- 100% of teachers agreed or strongly agreed that the materials and activities were well received by students.
- 100% would conduct the program again, given the opportunity.
- 100% would recommend the program to other colleagues.

“In my opinion, the things students liked best about the program were...”

“It is interesting and fun. The students get excited! They want to learn more!”

~ L. Norman, St. Anne’s Catholic

“The class discussions went very well. Students enjoyed taking all the “stuff” home that was included in the kits.”

~ R. Kuchenbecker, St. Peter Lutheran



E. Program Enhancements

In addition to increasing resource awareness and efficiency, Resource Action Programs® strengthen bonds between sponsors and their communities. The program has been designed from start to finish with this in mind.

Some of the steps take to ensure our sponsors receive the greatest possible exposure are as follows:

Kit Branding: Each Resource Action Kit™ was labeled with the City of Lodi Electric Utility logo.

Press Releases: Press releases were offered highlighting program accomplishments.

Parent Feedback: Included in the program materials are parent comment cards. The table below contains select information from those cards.

Parent Feedback

What comments would you like to express to your child's LivingWise® Program sponsor?

"My son was very excited to share the information and to start saving energy. It's very important that they learn about that from others as well."
~ J.P Hannah, Parent, St. Anne's Catholic

"The fact that our son was so excited about it. Thank you very much for showing the kids how to save energy in different ways."
~ R. & D. Gallagher, Parents, Lodi Seventh Day

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Appendix A

Resource Savings Estimates

Implications of CFL Retrofit

Average length of use:	1460 hours per year
Average lamp uses:	75 watts
Compact fluorescent light bulb uses:	14 watts
Product life:	10,000 hours ¹
Energy saved per year	89.06 kWh
Energy saved over life expectancy:	610 kWh

Number of participants:	516
Installation / participation rate of:	81%

Reduction from compact fluorescent light bulb:

Annual:	37,224 kWh
Lifetime:	254,956 kWh

Implications of LimeLite[®] Retrofit

Average length of use:	4500 hours per year
Average lamp uses:	7 watts
LimeLite uses:	0.03 watts
Product life:	10 years ¹
Energy saved per year:	31.37 kWh per year
Energy saved over life expectancy:	314 kWh

Number of participants:	516
Installation / participation rate of:	88%

Reduction from LimeLite[®] night light:

Annual:	14,242 kWh
Lifetime:	142,422 kWh

1 - Product life taken from manufacturer.

2 - Reichmuth P.E., Howard, 1999. Engineering Review and Savings Estimates for the 'Filtertone' Filter Restriction Alarm.

3 - U.S. Census Bureau, 2003. Population Division, Fertility and Family Statistics Branch

4 - Ridge & Associates, 2001. Southern California Edison: Evaluation of 2000-2001 School Programs.



Implications of Filtertone® Retrofit

Annual energy use by air conditioner, heat pump or furnace:	3,000 kWh
Projected increase in efficiency:	3% ²
Product life	10 years
Energy saved per year:	90 kWh per year
Energy saved over life expectancy:	900 kWh

Number of participants:	516
Installation / participation rate of:	32%

Total reduction from FilterTone® alarm:

Annual:	14,861 kWh
Lifetime:	148,608 kWh

1 - Product life taken from manufacturer.

2 - Reichmuth P.E., Howard, 1999. Engineering Review and Savings Estimates for the 'Filtertone' Filter Restriction Alarm.

3 - U.S. Census Bureau, 2003. Population Division, Fertility and Family Statistics Branch

4 - Ridge & Associates, 2001. Southern California Edison: Evaluation of 2000-2001 School Programs.



Implications of Showerhead Retrofit

Average household size:	2.50 people ³
Average length of use:	8.00 minutes ⁴
Product life:	10.00 years ¹

Average showerhead has a flow rate of:	4.00 gallons per minute ⁴
Oxygenics showerhead has flow rate of:	2.00 gallons per minute
Flow reduction:	2.00 gallons per minute

Water:

Average showerhead requires:	80.00 gallons
Retrofit showerhead requires:	40.00 gallons
Showerhead produces an annual reduction of:	14,600.00 gallons
Showerhead produces a lifetime reduction of:	146,000 gallons

Gas:

Average showerhead requires:	0.47 therms
Retrofit showerhead requires:	0.23 therms
% of water heated by gas:	72%
Showerhead produces an annual reduction of:	61 therms
Showerhead produces a lifetime reduction of:	613 therms

Electricity:

Average showerhead requires:	8.88 kWh
Retrofit showerhead requires:	4.44 kWh
% of water heated by electricity:	28%
Showerhead produces an annual reduction of:	454 kWh
Showerhead produces a lifetime reduction of:	4,540 kWh

Number of participants:	516
Installation / participation rate of:	32%

Total reduction from showerhead retrofit:

Annual:	2,410,752 gallons
	10,121 therms
	74,960 kWh

Lifetime:	24,107,520 gallons
	101,211 therms
	749,602 kWh

1 - Product life taken from manufacturer.

2 - Reichmuth P.E., Howard, 1999. Engineering Review and Savings Estimates for the 'Filtertone' Filter Restriction Alarm.

3 - U.S. Census Bureau, 2003. Population Division, Fertility and Family Statistics Branch

4 - Ridge & Associates, 2001. Southern California Edison: Evaluation of 2000-2001 School Programs.



Implications of Kitchen Aerator Retrofit

Average household size:	2.50 people ³
Average length of use:	2.50 minutes ⁴
Product life:	5.00 years ¹
Average kitchen aerator has a flow rate of:	2.50 gallons per minute ⁴
Retrofit kitchen aerator has flow rate of:	1.50 gallons per minute ⁴
Flow reduction:	1.00 gallons per minute

Water:

Average kitchen aerator requires:	15.63 gallons
Retrofit kitchen aerator requires:	9.38 gallons
Retrofit kitchen aerator produces an annual reduction of:	2,281 gallons
Retrofit kitchen aerator produces a lifetime reduction of:	11,406 gallons

Gas:

Average kitchen aerator requires:	0.09 therms
Retrofit kitchen aerator requires:	0.05 therms
% of water heated by gas:	72%
Retrofit kitchen aerator produces an annual reduction of:	10 therms
Retrofit kitchen aerator produces a lifetime reduction of:	48 therms

Electricity:

Average kitchen aerator requires:	1.74 kWh
Retrofit kitchen aerator requires:	1.04 kWh
% of water heated by electricity:	28%
Retrofit kitchen aerator produces an annual reduction of:	71 kWh
Retrofit kitchen aerator produces a lifetime reduction of:	355 kWh

Number of participants:	516
Installation / participation rate of:	47%

Total reduction from kitchen aerator retrofit:

Annual:	553,249 gallons 2,323 therms 17,203 kWh
Lifetime:	2,766,244 gallons 11,614 therms 86,014 kWh

1 - Product life taken from manufacturer.

2 - Reichmuth P.E., Howard, 1999. Engineering Review and Savings Estimates for the 'Filtertone' Filter Restriction Alarm.

3 - U.S. Census Bureau, 2003. Population Division, Fertility and Family Statistics Branch

4 - Ridge & Associates, 2001. Southern California Edison: Evaluation of 2000-2001 School Programs.



Appendix B

Household Report Card Data

Question	Answer	%
1	Did you install the high efficiency showerhead?	
	1 Yes	32%
	2 No	68%
2	Did you install the CFL?	
	1 Yes	81%
	2 No	19%
3	What was the wattage of the bulb you replaced?	
	1 60	25%
	2 75	18%
	3 100	8%
	4 Other	9%
	5 Don't know	21%
	6 Didn't install CFL	19%
4	How many hours per day is the bulb on?	
	1 1	10%
	2 2	14%
	3 3	14%
	4 4+	32%
	5 Don't know	11%
	6 Didn't install	19%
5	Did you install the LimeLite?	
	1 Yes	88%
	2 No	12%
6	Did you replace a nightlight?	
	1 Yes	46%
	2 Didn't install the LimeLite?	12%
	3 No	42%



7	Did you install the sink aerator?	
	1 Yes	47%
	2 No	53%
8	Did you install it in the kitchen or the bathroom?	
	1 Kitchen	41%
	2 Didn't install	53%
	3 Bathroom	6%
9	How many minutes a day do you use the faucet?	
	1 Less than 5	7%
	2 6-10	16%
	3 11-15	11%
	4 16-20	10%
	5 Over 20	19%
	6 Don't know	37%
10	Did you install the FilterTone® Alarm?	
	1 Yes	32%
	2 No	68%
11	What is the main source of heat in your home?	
	1 Gas furnace	31%
	2 Electric heater	33%
	3 Oil	0%
	4 Wood	4%
	5 Other	4%
	6 Don't know	28%
12	How is your water heated?	
	1 Gas	72%
	2 Electricity	28%
13	Did you lower your water heater settings?	
	1 Yes	30%
	2 No	70%
14	Do you have an automatic dishwasher?	
	1 Yes	71%
	2 No	29%



15	How much did you lower your thermostat for heating?	
	1 1-2 degrees	13%
	2 5+ degrees	5%
	3 Didn't lower thermostat	45%
	4 3-4 degrees	10%
	5 Don't know	27%
16	How much did you increase your thermostat for cooling?	
	1 1-2 degrees	7%
	2 5+ degrees	4%
	3 Didn't increase thermostat	58%
	4 3-4 degrees	5%
	5 Don't know	26%
17	Did your toilet have a leak?	
	1 Yes	25%
	2 No	75%
18	Was the leak repaired?	
	1 Yes	11%
	2 No	12%
	3 Don't know	10%
	4 Didn't leak	67%
19	How many people live in your house?	
	1 2	4%
	2 4	31%
	3 More than 5	32%
	4 3	10%
	5 5	23%
20	Did you work with your family on this project?	
	1 Yes	78%
	2 No	22%



21 How would you rate the LivingWise® program?

1	Great	40%
2	Pretty good	30%
3	Okay	20%
4	Not so good	4%
5	No answer	6%



Appendix C

Teacher Evaluation Data

Question	Answer	%
1. The materials were attractive and easy to use.	1 Strongly Disagree	0%
	2 Disagree	0%
	3 Neutral	0%
	4 Agree	0%
	5 Strongly Agree	100%
2. The materials and activities were well received by students.	1 Strongly Disagree	0%
	2 Disagree	0%
	3 Neutral	0%
	4 Agree	33%
	5 Strongly Agree	67%
3. The materials were clearly written and well organized.	1 Strongly Disagree	0%
	2 Disagree	0%
	3 Neutral	0%
	4 Agree	16%
	5 Strongly Agree	84%
4. The conservation technologies were easy for students to use.	1 Strongly Disagree	0%
	2 Disagree	0%
	3 Neutral	0%
	4 Agree	84%
	5 Strongly Agree	16%



5. Students indicated their parents supported the program.

1	Strongly Disagree	0%
2	Disagree	0%
3	Neutral	16%
4	Agree	67%
5	Strongly Agree	17%

6. If you had the opportunity, would you conduct this program again?

1	Yes	100%
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7. Would you recommend this program to other colleagues?

1	Yes	100%
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August 2005

To Whom It May Concern:

Last school year Rob Lechner presented the Living Wise program to my sixth grade class at Reese School. This program educates teachers, students, and parents using valuable, hands-on activities in the students' homes. Between the activities and energy efficient materials provided in the kits, I do believe that the children and adults will incorporate energy saving ways into their lives.

I encourage the City Council to allocate funds to continue this program for the 2005/2006 school year.

Sincerely,

Kristy Zane

6th Grade Teacher

Reese Elementary School



August 23, 2005

To Whom It May Concern:

I am the sixth-grade homeroom teacher at St. Peter Lutheran School and have been using the Energy Wise material sponsored by our public utility. I feel this is an effective tool to get a very important message out to our students: we need to conserve our energy resources. This issue is coming to an even sharper focus recently as our energy prices have been steadily increasing.

It is my hope that this tool will continue to be made available to us. As long as it is, I will continue to use it. Together we can all become good stewards of the valuable resources God has given us.

Thank you for your consideration.

Sincerely,

Randy Kuchenbecker

August 2005

To whom it may concern,

St. Anne's School has participated in the Lodi Electric/Living Wise Program for the past two years. The sixth grade class has truly enjoyed the program. The kits that are provided for the students are great. The teacher materials that also accompany the kits give great resources and guidance, making the program easy to implement. I truly have enjoyed being part of this program for the past two years and hope that we can continue to be a part of this wonderful gift in our community. The students at St. Anne's benefit a great deal from this program as well as their families. If nothing else, the students are opening their minds to larger issues in the world with the help of not only their teacher but also their parents. In many cases the students go home and educate their parents. What an amazing thing happening because of this program. I Thank you for allowing us once again to be part of this program and hope to hear from you next year.

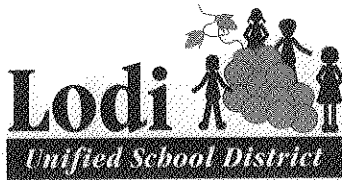
Sincerely,

A handwritten signature in cursive script that reads "Lisa Norman".

Lisa Norman

6th grade Teacher

St. Anne's School



Ellerth E. Larson
Elementary School

August 2005

To Whom It May Concern:

I am writing to you today regarding the "Lodi Living Wise" program sponsored by the City of Lodi Electric Utility Department. I am a 6th grade teacher for Lodi Unified School District, and I had the opportunity to take part in this program during the last school year.

During the 04-05 school year I worked at Lawrence Elementary School which is a Title one school containing a large amount of students from low income families. From the time the materials arrived from the Living Wise program the students were excited. They were amazed by the quality and the sheer amount of materials that they would get to use and then take home to keep.

Soon after the materials arrived we had Rob Lechner, a guest speaker from the Lodi Electric Utility Department, came in and explained the program to the students. Mr. Lechner generated even more excitement for the program and shared information with the children about conservation and natural resources that made the kids want to get involved and help. The students were given the challenge to go home and use the water and energy saving products in their own home.

I was amazed at the students response. We went through the materials together and as a class we went through the lessons provided by the Living Wise program. In the end I had 30 out of 31 students who took the materials home, shared them with their parents and then installed the water and energy saving materials in their homes.

I believe that this is a wonderful program that not only teaches kids about conservation, but gives them the tools to go home and start conserving. I would recommend this program to other teachers and I look forward to using the program again this year.

Sincerely,

Timothy Shepherd
6th grade teacher
Larson Elementary School

2375 Giannoni Way
Lodi, CA 95242

209-331-8391
209-331-8375 Fax

RESOLUTION NO. 2005-183

A RESOLUTION OF THE LODI CITY COUNCIL AUTHORIZING THE
CITY MANAGER TO ALLOCATE PUBLIC BENEFIT FUNDS TO
EXTEND THE LODI LIVINGWISE PROGRAM, AND FURTHER
AUTHORIZING THE CITY MANAGER TO EXECUTE A CONTRACT
WITH RESOURCE ACTION PROGRAMS TO ASSIST IN
COORDINATING THIS EDUCATIONAL PROJECT

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WHEREAS, the City of Lodi Electric Utility Department is continuing its efforts to bring new and innovative products and services into the classroom, and the *Lodi LivingWise Education Project* is another such effort, providing educators and students with a useful tool that demonstrates energy and water conservation; and

WHEREAS, the *Lodi LivingWise Education Project* will provide over 500 energy and water conservation kits to 6th grade students throughout Lodi; and

WHEREAS, each kit contains a compact fluorescent lamp, an Electro luminescent (energy-efficient) Night Light, a low-flow showerhead, faucet aerators, a water leak test for toilets, Teflon tape, tape measure, air temperature monitor, an energy efficiency CD-ROM game, tips on energy/water conservation, and specific ways to weatherize/insulate a home; and

WHEREAS, once the kits are delivered to a school site and the teachers receive their training packets, students are then instructed on how/why to implement the contents of the kit at their home. There are pre-installation and post-installation course discussions that are provided to the instructors, so that the students are fully engaged in this project. Once the students have the contents of their kits at home, an assessment is produced by Resource Action Programs staff to determine projected energy savings associated with the installation of the various energy conservation measures; and

WHEREAS, Electric Utility staff is recommending approval of a contract with Resource Action Programs, of Modesto, California, at a cost of \$24,986, which includes classroom support and teacher training, the purchase of 500 plus educational kits, and program evaluation - measurement and verification of the programs success - by school site; and

WHEREAS, Resource Action Programs is the only firm staff has identified that provides these unique educational kits, and for this reason, staff respectfully requests that the Lodi City Council dispense with going out to bid pursuant to Lodi Municipal Code §3.20.070; and

WHEREAS, Electric Utility staff respectfully recommends approval of the *Lodi LivingWise Education Project* as a qualifying component of the City of Lodi Public Benefits Program, further categorized as demand-side management and research, development, and demonstration services.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council hereby authorizes the City Manager to allocate \$24,986 in Public Benefit Program funds to extend for one year the Lodi LivingWise Program; and

BE IT FURTHER RESOLVED that the City Manager is hereby authorized to execute a contract with Resource Action Programs, of Modesto, California, to assist in coordinating this educational program.

Dated: September 7, 2005

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I hereby certify that Resolution No. 2005-183 was passed and adopted by the Lodi City Council in a regular meeting held September 7, 2005, by the following vote:

AYES: COUNCIL MEMBERS – Hansen, Hitchcock, Johnson, Mounce, and
Mayor Beckman

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS – None



SUSAN J. BLACKSTON
City Clerk